

**PERFORMANCE SPECIFICATION FOR
USER EQUIPMENT FOR USE IN
PUBLIC MOBILE COMMUNICATIONS
SERVICES BASED ON EVOLVED UNIVERSAL
TERRESTRIAL RADIO ACCESS (E-UTRA)
FREQUENCY DIVISION DUPLEX (FDD)**



OFTA



電訊管理局

~~**TELECOMMUNICATIONS AUTHORITY**~~
~~**HONG KONG**~~

FOREWORD

1. This specification is prescribed under section 32D of the Telecommunications Ordinance (Cap 106) (“the Ordinance”) to set out the technical and evaluation requirements for user equipment for use in Public Mobile Communications Services employing Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD).
2. Under section 39 of the Ordinance, a person is exempted from the obligation to hold a licence under the Ordinance so long as the conditions set out in the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order (“the Order”) are satisfied. Radiocommunications apparatus falling into the scope of this specification, unless covered by other specification with more specific scope, shall meet the requirements stipulated to fulfil the conditions of the Order.
3. At present, the Office of the ~~Tele~~Communications Authority (OF~~T~~CA) operates a **Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme**. Details of the HKTEC Scheme can be found in the information note OF~~T~~CA I 421. Under the Scheme, suppliers or manufacturers of the radiocommunications apparatus may apply for certification of their apparatus against this specification. The application procedures for certification of radiocommunications apparatus can be found in the information note OF~~T~~CA I 401. A label prescribed by the ~~Tele~~Communications Authority (~~T~~CA) may be affixed to the certified equipment. Details of the labelling arrangement can be found in the Standardisation Guide HKTA 3211.
4. The ~~T~~CA may amend any part of this specification as and when ~~he~~it deems necessary.
5. In case of doubt about the interpretation of this specification, the methods of carrying out the test and the validity of statements made by the manufacturers of the equipment, the decision of the ~~T~~CA shall be final.
6. The HK~~T~~CA specifications and information notes are issued by the ~~T~~CA can be downloaded from OF~~T~~CA’s website at [http://www.of~~t~~ca.gov.hk](http://www.oftca.gov.hk). Enquiries about this specification can be directed to -

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AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 May 2011	All	First Release
<u>2.</u>	<u>Issue 2</u> <u>June 2023</u>	<u>Foreword</u>	<u>Editorial changes</u>
<u>3.</u>	<u>Issue 2</u> <u>June 2023</u>	<u>3</u>	<u>Addition of the paired band 703 – 738 MHz / 758 – 793 MHz</u>
<u>4.</u>	<u>Issue 2</u> <u>June 2023</u>	<u>4, 6</u>	<u>Updating the titles of standards under reference</u>

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1. SCOPE

This specification sets out the performance and evaluation requirements for User Equipment (hereafter referred to as “the equipment”) for use in the Public Mobile Communications Services employing Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD).

2. SAFETY REQUIREMENTS

The equipment shall comply with HKTCA 2001 “Compliance Test Specification - Safety and Electrical Protection Requirements for Subscriber Telecommunications Equipment” issued by the ~~Telecommunications Authority (TCA)~~.

3. OPERATING FREQUENCIES

The frequency bands for the equipment are as follows -

	Downlink (Mobile Receive)	Uplink (Mobile Transmit)
Paired Band	758 - 793 MHz	703 - 738 MHz
	925 - 960 MHz	880 - 915 MHz
	1805 - 1880 MHz	1710 - 1785 MHz
	2110 - 2170 MHz	1920 - 1980 MHz
	2620 - 2690 MHz	2500 - 2570 MHz

4. TECHNICAL REQUIREMENTS

The equipment shall meet the technical requirements as specified in the following standards published by the European Telecommunications Standards Institute (ETSI) -

- (a) EN 301 908-1 ~~Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Harmonized EN for IMT-2000, iIntroduction and common requirements; covering the essential requirements of article 3.2 of the R&TTE Directive~~

- (b) EN 301 908-13 ~~Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third Generation~~ cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) covering the essential requirements of article 3.2 of the R&TTE Directive

5. EVALUATION REQUIREMENTS

The equipment shall comply with the safety requirements, operating frequencies and technical requirements as specified in clauses 2, 3 and 4 respectively. Compliance of the equipment with the technical requirements shall be evaluated in accordance with the procedures specified in the respective ETSI standards as given in clause 4.

6. REFERENCE

- (a) HKTCA 2001 Compliance Test Specification - Safety And Electrical Protection Requirements For Subscriber Telecommunications Equipment, issued by the TCA
- (b) EN 301 908-1 ~~Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third Generation~~ cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Harmonized EN for IMT-2000; iIntroduction and common requirements, ~~covering the essential requirements of article 3.2 of the R&TTE Directive~~, published by the ETSI
- (c) EN 301 908-13 ~~Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third Generation~~ cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE) covering the essential requirements of article 3.2 of the R&TTE Directive, published by the ETSI

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